PRÈLIMINARY AMENDMENT Attorney Docket No. Q67567

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,

SUGHRUE MION, PLLC 2100 Pennsylvania Avenue, N.W. Washington, D.C. 20037-3213

Telephone: (202) 293-7060 Facsimile: (202) 293-7860

Date: December 6, 2001

David J. Cushing

Registration No. 28,703

PRELIMINARY AMENDMENT Attorney Docket No. Q67567

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

- 5. (Amended)A phase shifter element as claimed in any one of the preceding elaimsclaim 1, wherein said optimisation means comprises a radio frequency analysis and optimisation computer program to calculate data for controlling cutting equipment means to produce said dielectric segments having optimum dimensions and optimum widths there between.
- 6. (Amended)A phase shifter element as claimed in any one of the preceding elaimsclaim 1, wherein said planar dielectric member comprises a rectangular body section, said dielectric segments extending from a major side thereof, and wherein the segments and the body section lie in the same plane.
- 7. (Amended) A phase shifter element as claimed any one of the preceding claims in claim 1, wherein said transmission line is operatively associated with an antenna array.

PRĖLIMINARY AMENDMENT Attorney Docket No. Q67567

- 11. (Amended)A phase shifter as claimed in any one of claims 8 to 10claim 8, including adjustment means for selectively moving said dielectric element in relation to said transmission line such that said segments and said gaps movably overlap said transmission line to vary the phase of signals passing through said transmission line.
- 13. (Amended) An antenna array incorporating a phase shifter as claimed in any one of the preceding claims.claim 1.